

MISSION DATE 27 MAY 1965  
PREFLIGHT DATE 25 MAY 1965MISSION NO. 0335C  
A/C BUABLR 385\*\*\*\*\*  
S/N'S OF EQUIPMENT

Master Recorder	<u>770</u>
Slave Re-order	<u>711</u>
X-Band Info Amp	<u>9</u>
S-Band Info Amp	<u>12</u>
L-Band Info Amp	<u>8</u>
P-Band Info Amp	<u>22</u>
Info Amp P/S	<u>114</u> & <u>131</u>
Rambo Preamp	<u>1005</u>

\*\*\*\*\* SPECIAL HANDLING REQUIRED

HKB Preamp	<u>1000</u>
HKB Preamp P/S	<u>NA</u>
Junction Box	<u>1010</u>
Control Box	<u>109</u>
30 Sec Timer	<u>109A</u>
Sys XII Mnt.	<u>106</u>
Sys XII Amp.	<u>101</u>
Sys XII P/S	<u>NA</u>
Sys XII End.	<u>111</u>

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RECORDED CIVILIZATION

Master Recorder	Track 1 <u>X BAND SYSTEM 9B</u>
	Track 2 <u>TIME CODE GEN. 1 &amp; 3 KC SYSTEM 12B</u>
	Track 3 <u>S BAND</u>
Slave Recorder	Track 1 <u>P BAND</u>
	Track 2 <u>TIME CODE GEN. 1 &amp; 3 KC</u>
	Track 3 <u>CNSCAR SIERRA</u>

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TECHNICAL DATA

\*\*\*\*\* SPECIAL HANDLING REQUIRED

(Measurements with VI and XII ON)

X-BAND SYS VI: Sig gen set for 10.5 kmc, modulated 1500 pps, 5 usec pulse width  
(Signal applied at inputs to Rambo)

Tangential Sensitivity	Left = <u>56</u> dbm	Right = <u>57</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Output at Sat.	Left <u>14 VO</u> <u>22</u> dbm	Right <u>15 VO</u> <u>18</u> dbm
Calibration Signal = <u>46</u> dbm for 1 minute	<u>X</u>	
Antennas Indexed	<u>X</u>	

S-BAND SYS VI: Sig gen set for 3.2Kmc, modulated 1000 pps, 5 usec pulse width  
(Signal applied at crystal input)

Filter assembly	<u>1</u> Kmc to <u>1</u> Kmc.	
Tangential Sensitivity	Left = <u>48</u> dbm	Right = <u>48</u> dbm
Noise	Left <u>200</u> mv	Right <u>200</u> mv
Max Undistorted Sig Output at Sat.	Left <u>20 VO</u> <u>0</u> dbm	Right <u>20 VO</u> <u>0</u> dbm
Calibration Signal = <u>38</u> dbm for 1 minute	<u>X</u>	
Artennas Indexed	<u>X</u>	

L-BAND SYS VI: Sig gen set for 750 mc, modulated 1500 rps, 5 usec pulse width  
DISABLED (Signal applied at crystal input)

Filter Assembly	<u>mc</u> to <u>mc</u> .	
Tangential Sensitivity	Left _____ dbm	Right _____ dbm
Noise	Left _____ mv	Right _____ mv
Max Undistorted Sig Output at Sat.	Left <u>VO</u> <u>dbm</u>	Right <u>VO</u> <u>dbm</u>
Calibration Signal = <u>dbm</u> for 1 minute	<u>X</u>	
Antennas Indexed	<u>X</u>	

P-BAND SYS VI: Sig gen set for 750 mc, modulated 1000 ips, 5 usec pulse width  
(Signal applied at input to HKB preamp)

Tangential Sensitivity	= <u>75</u> dbm
Noise	= <u>150</u> mv
Max Undistorted Sig Output at Sat.	<u>15 VO</u> <u>50</u> dbm
Calibration Signal = <u>dbm</u> for 1 minute	<u>X</u>
Antenna Indexed	<u>X</u>

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SYSTEM XII Sig Gen set for 3800MC, Test Modulator set for scan period of 64MS, group length of 11 pulses (Sensitivity measured during bench check; operational check made on ramp with test antenna Trigger radiating into System XII antennas)

Sensitivitiy = 24 dbm SPECIAL HANDLING REQUIRED  
Threshold Sensitivity =    dbm

Check for proper operation: LO PRF green light ok, HI PRF red light ok  
Pilots Audio Tones ok, Correct Azimuth indications ok

Calibration signal = 6 dbm, 60 sec. 1500 pps ok, 30 sec. 1900 pps ok  
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## CHECK LIST

1. 1 KC and 3 KC tones present on Track 2 of Master Recorder in left position of antenna selector switch x.
2. 1 KC and 3 KC tones present on Track 2 of Slave Recorder in left position of antenna selector switch x.
3. Timer switching frequency OK? ok.
4. Flight Clearance: Hatch hookup x Systems junction box circuit breakers x.

Initials JLNO. 311  
EXCEPT U. S.

## POSTFLIGHT REMARKS

1. RECORDER PERFORMANCE Master: SATISFACTORYSlave: SATISFACTORY

2. SPOT CHECK OF INDIVIDUAL BAND PERFORMANCE:

A. X-BAND: LIGHTB. S-BAND: HEAVYC. L-BAND: DISABLEDD. P-BAND: HEAVY

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## MISSION DATA FLIGHT LOG

## SPECIAL HANDLING REQUIRED

EVENT	TIME	COMMENT
T.O.	0008Z	
T.O.L.	0158Z	
AC GEN ON	0002Z	
AC GEN OFF	0120Z	
TIME CODE GEN. ON	0004Z	
SYSTEM 6 ON	0002Z	
SYSTEM 6 OFF	0158Z	
SYSTEM 6 SWITCH POSITIONS		
RT,	0008Z	
BOTH	0143Z	